INFORMATION SHEET FOR AIR CONDITIONERS, EXCEPT DOUBLE DUCTS AND SINGLE DUCTS(5)

As by Comission Communication in the framework of ecodesign requirements for air conditioners and comfort fans (EU Regulation no. 206/2012) and of energy labelling of air conditioners - (EU Regulation no. 626/2011)

Appendix I: information according to clause 3 of NO 206/2012 ANNEX Ⅰ, for air conditioners，except single duct and double duct air conditioners

MODEL : ASG ECO 70PH / AEG ECO70PIH

Function (indicate if present)				Only for heating mode, if applicable			
Cooling	Y			Average(mandatory)		Y	
Heating	Y			Warmer(if designed)		N	
				Colder(if designed)		N	
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	7.0	kW	Cooling	SEER	7.2	—
Heating/average	Pdesignh	6.4	kW	Heating/average	SCOP/A	3.9	—
Heating/warmer	Pdesignh	x,x	kW	Heating/warmer	SCOP/W	x,x	—
Heating/colder	Pdesignh	x,x	kW	Heating/colder	SCOP/C	x,x	—
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Tj=35℃	Pdc	7.00	kW	Tj=35℃	EERd	3.50	—
Tj=30℃	Pdc	5.13	kW	Tj=30℃	EERd	4.99	—
Tj=25℃	Pdc	3.16	kW	Tj=25℃	EERd	9.35	—
Tj=20℃	Pdc	2.64	kW	Tj=20℃	EERd	12.66	—
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7℃	Pdh	5.66	kW	Tj=-7℃	COPd	2.58	—
Tj=2℃	Pdh	3.52	kW	Tj=2℃	COPd	3.66	—
Tj=7℃	Pdh	2.28	kW	Tj=7℃	COPd	5.29	—
Tj=12℃	Pdh	2.01	kW	Tj=12℃	COPd	6.88	—
Tj=operating limit	Pdh	5.98	kW	Tj=operating limit	COPd	2.55	—
Tj=bivalent temperature	Pdh	5.66	kW	Tj=bivalent temperature	COPd	2.58	—

Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=2℃	Pdh	x,x	kW	Tj=2℃	COPd	x,x	—
Tj=7℃	Pdh	x,x	kW	Tj=7℃	COPd	x,x	—
Tj=12℃	Pdh	x,x	kW	Tj=12℃	COPd	x,x	—
Tj=operating limit	Pdh	x,x	kW	Tj=operating limit	COPd	x,x	—
Tj=bivalent temperature	Pdh	x,x	kW	Tj=bivalent temperature	COPd	x,x	—
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7℃	Pdh	x,x	kW	Tj=-7℃	COPd	x,x	—
Tj=2℃	Pdh	x,x	kW	Tj=2℃	COPd	x,x	—
Tj=7℃	Pdh	x,x	kW	Tj=7℃	COPd	x,x	—
Tj=12℃	Pdh	x,x	kW	Tj=12℃	COPd	x,x	—
Tj=operating limit	Pdh	x,x	kW	Tj=operating limit	COPd	x,x	—
Tj=bivalent temperature	Pdh	x,x	kW	Tj=bivalent temperature	COPd	x,x	
Tj=-15℃	Pdh	x,x	kW	Tj=-15℃	COPd	x,x	—
Bivalent temperature				Operating limit temperature			
Heating/Average	Tbiv	-7	℃	Heating/Average	Tol	-10	℃
Heating/Warmer	Tbiv	x	℃	Heating/Warmer	Tol	x	℃
Heating/Colder	Tbiv	x	℃	Heating/Colder	Tol	x	℃
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	x,x	kW	for cooling	EERcyc	x,x	—
for heating	Pcych	x,x	kW	for heating	COPcyc	x,x	—
Degradation co-efficient cooling (**)	Cdc	0.25	—	Degradation co-efficient heating (**)	Cdh	0.25	—

Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P_{OFF}	0.00202	kW	Cooling	Q_{CE}	340	kWh/a
Standby mode	P_{SB}	0.00202	kW	Heating/Average	Q_{HE}	2297	kWh/a

Thermostat -off mode	P_{TO}	0.02298/0.02500	kW	Heating/Warmer	Q_{HE}	--	kWh/a
Crankcase heater mode	P_{CK}	0	kW	Heating/Colder	Q_{HE}	--	kWh/a

Capacity control (indicate one of three options)		Other items			
fixed	N	Sound power level (indoor/outdoor)	L_{WA}	(52/67)	dB(A)
staged	N	Global warming potential	GWP	675	$kgCO_2eq.$
variable	Y	Rated air flow (indoor/outdoor)	—	(1100/3600)	m^3/h

Contact details for obtaining more information	Argoclima spa – Via Alfeno varo, 35 – 25020 Alfianello (BS) – Italy www.argoclima.com

(*) For staged capacity units, two values divided by a slash (‘/’) will be declared in each box in the section ‘Declared capacity of the unit’ and ‘declared EER/COP’ of the unit.

(**) If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

For units with capacity control marked ‘staged’, two values for the highest and lowest, noted ‘hi/lo’ divided by a slash (‘/’) will be declared in each box under ‘Declared capacity’.

Product Fiche

The basic information

Model: ASG ECO 70PH + AEG ECO 70PIH

Manufacturer : ARGOCLIMA SPA - via Alfeno Varo, 35 - Alfianello (BS) - Italy;

Sound power level (indoor unit / outdoor unit): 52 /67 dB(A);

Refrigerant: R32 ;

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675 .This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

Cooling mode

SEER: 7.2 ;

Energy efficiency class: A++ ;

Pdesignc: 7.0 kW;

Energy consumption 340 kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

Heating mode

Type: Average ;

SCOP: 3.9 ;

Energy efficiency class: A ;

Pdesignh: 6.4 kW;

Energy consumption 2297 kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

The back up heating capacity for calculation of SCOP at reference design condition: 0.4kw